



valley permaculture alliance

inspiring sustainable living in the desert southwest

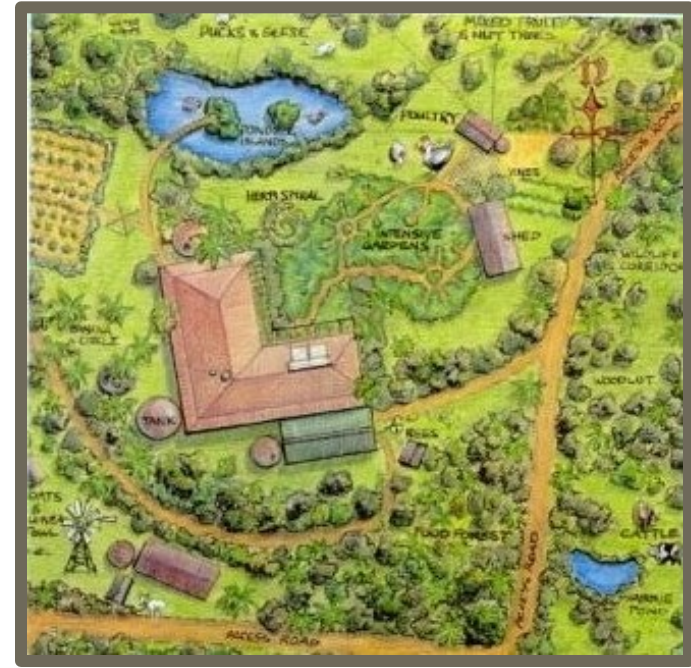
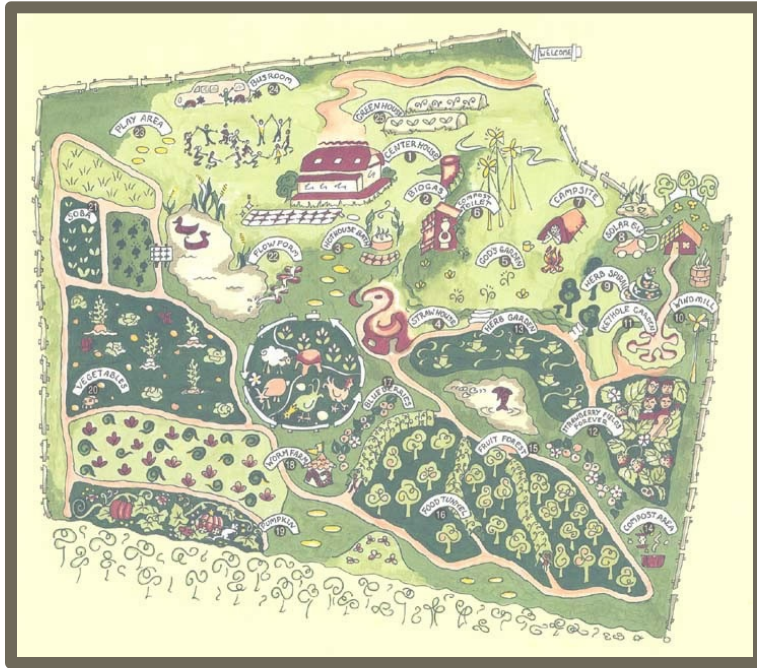


What is Permaculture?

“Permaculture is about sustainable human settlements. It is a philosophy and an approach to land use which weaves together microclimates, annual and perennial plants, animals, soils, water management, and human needs into intricately connected, productive communities.”

– Bill Mollison, From “Intro to Permaculture”

What is Permaculture?



Permaculture Design Example



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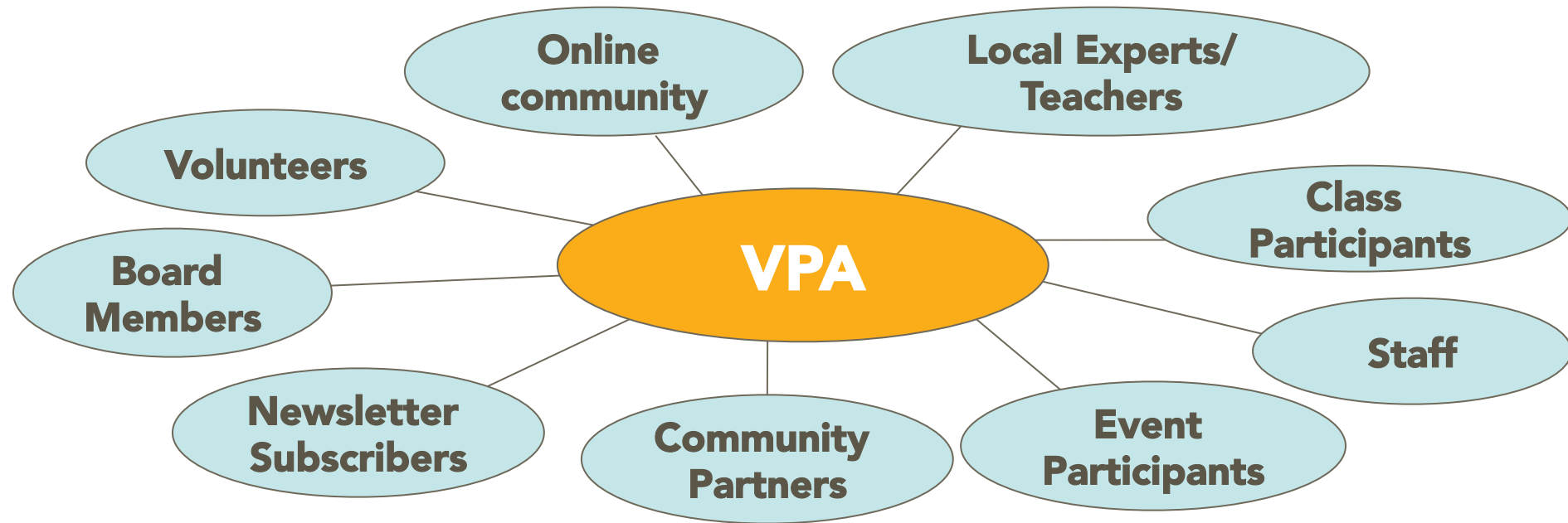
Mission

Our mission is to inspire sustainable urban living in the desert southwest.

*Sustainable
Urban
Desert
Southwest*

Who is VPA?

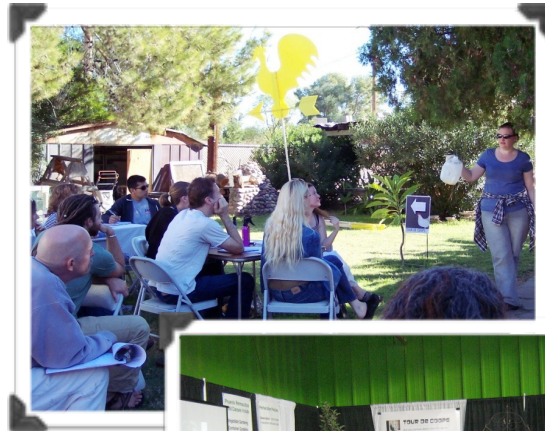
We are a vast network of individuals, community partners, and cyber members that seek a positive environmental impact for ourselves and our communities.



The Valley Permaculture Alliance is a local 501(c)3 educational organization.

How we inspire sustainable living

- *Classes: lecture & hands on*
- *Newsletter*
- *Permaculture Design Course*
- *Seed Library*
- *Events*
- *Information & demonstration booths*
- *Ambassador program*
- *Convening online permaculture community*
- *Shade tree program*



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VPA's 2012 Impacts

- *Held over 100 sustainable classes & events*
- *Educated over 6,000 people on sustainability topics*
- *Distributed over 9,000 native shade trees*
- *Distributed over 1,500 fruit trees*
- *Awarded 34 Permaculture Design Certificates*
- *On-line memberships grew to over 8,000*

VPA Shade Tree Program

Shading homes helps to:

- Reduce cooling costs
- Improve air quality
- Lower the Valley's heat effect



...without using a lot of water

Shade Tree Program: Education

To receive a free tree, participants are required to attend a **free workshop** to learn how to best plant and care for their trees.

APS

- In-Person
- On-line – *in partnership with the Arbor Day Foundation*



SRP

- In-Person



Shade Tree Program: Participating

Every participant receives an aerial map of their home

- Plant trees on the south, west and east sides of home
- Plant trees within 15 feet of exposed exterior walls and windows
- Pick-up trees from the “Tree Corral” at sites around the Valley



Shade Tree Program: Events

We engage a variety of groups from around the Valley

- Master Gardeners
- School Groups (Local High Schools, AAEC)
- Fire Fighters
- ASU GIOS – Central Arizona-Phoenix Long Term Ecological Research (CAP LTER)



APS/SRP Shade Tree Program

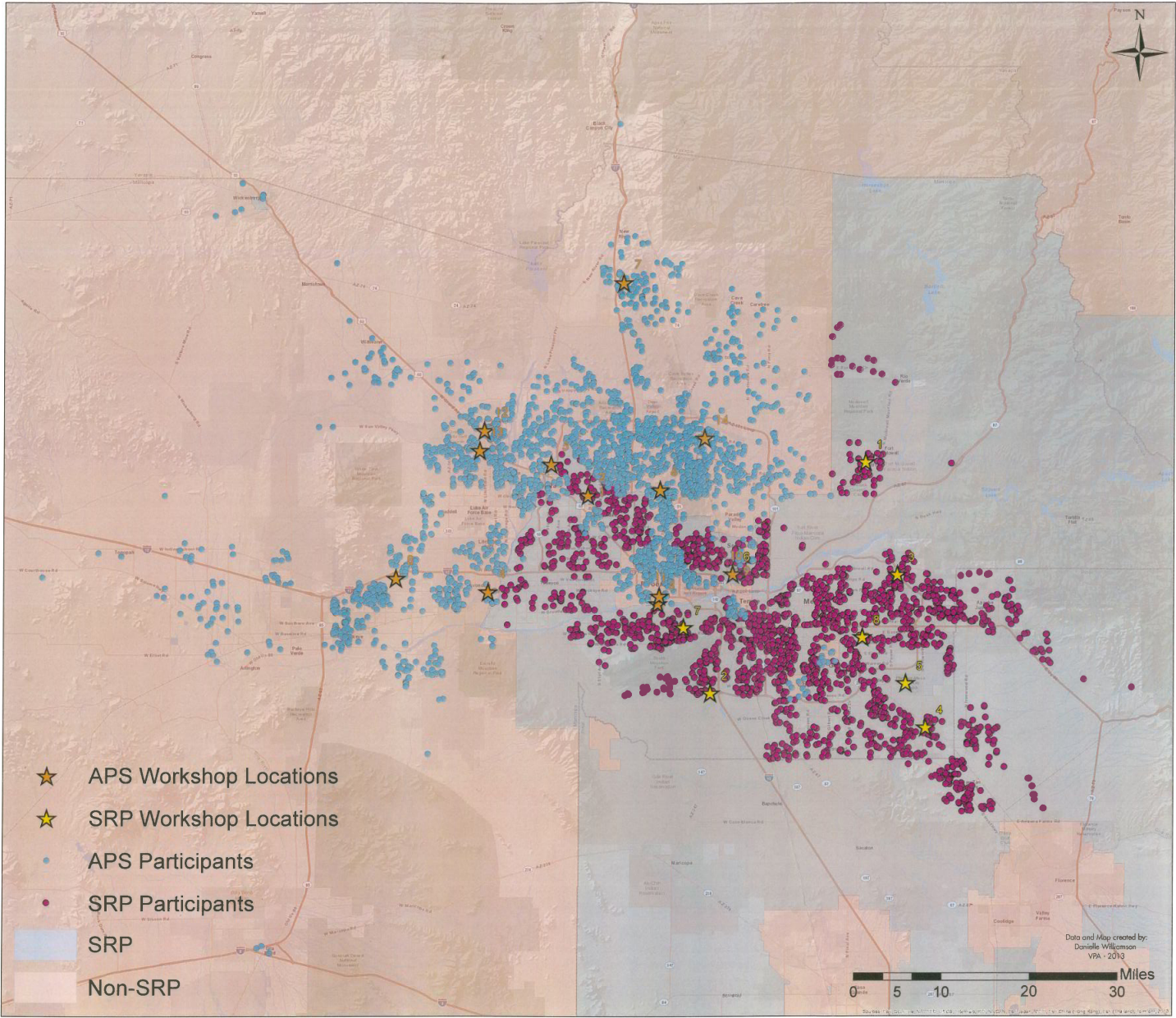
Valley Permaculture Alliance
2012 Participant and
Workshop Locations

APS Workshop Locations

- 1 - Glendale Community College
- 2 - Glendale Community College
- 3 - Rio Salado Audubon Center
- 4 - Avondale Care 1st Resource Center
- 5 - Rio Vista Recreation Center
- 6 - Sunnyslope School
- 7 - Anthem Community Center
- 8 - Palo Verde Education Center
- 9 - Desert Botanical Gardens
- 10 - Desert Botanical Gardens
- 11 - Friendly House
- 12 - PORA
- 13 - Communiiversity
- 14 - Paradise Valley Communiiversity Center

SRP Workshop Locations

- 1 - Fountain Hills Learning Center
- 2 - Pecos Community Center
- 3 - Mesa Community College
Red Mountain Campus
- 4 - Queen Creek Branch Library
- 5 - Chandler - Gilbert Community College
Williams Campus
- 6 - PERA Club
- 7 - South Mountain Communitiy College
- 8 - Greenfield Library



Shade Tree Program: Benefits

- Trees produce nearly 260 pounds of oxygen per tree each year
- Trees remove up to 2.6 tons of carbon dioxide each year per acre of trees
- Trees can make buildings up to 20 degrees cooler in the summer
...and sidewalks, bikepaths, roadways, etc!



Shade Tree Program: Expansion

The single family residence programs are great success

- Expansion
 - Multi-family units
 - Schools
 - Streets & Sidewalks



VPA: A Community Resource

- Volunteer-Driven Organization
- VPA Programming
 - Rainwater harvesting
 - Mesquite Bean Milling
- Ambassador Team represents the at community events, sharing knowledge





Thank you for
your time!

